

ANNUAL REPORT

JULY 1, 1967 - JUNE 30, 1968

REPORT OF THE DIVISION OF ANIMAL HEALTH

July 1, 1967 --- June 30, 1968

To the Commissioner of Agriculture:

In accordance with Section 38, Chapter 129, General Laws, Tercentenary Edition, Acts of 1932, I herewith submit the report of the Division of Animal Health for the fiscal year, July 1, 1967 to June 30, 1968, inclusive.

During the fiscal year 1968, there were no serious outbreaks of diseases over which the Division has jurisdiction.

A bill was passed by the Legislature providing for the slaughtering of hogs affected with or exposed to Hog Cholera and the payment by the Commonwealth of indemnity to the owners.

We appreciate the fine cooperation that we received from the Animal Health Division, United States Department of Agriculture.

Following is information and statistics in detail covering the various activities of the Division.

Respectfully submitted,

Edward M. Dwyer

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Director

BOVINE TUBERCULOSIS

There were three thousand one hundred and ninety-six (3,196) tuberculin herd tests, one hundred four thousand five hundred and thirty-nine (104,539) animal tests applied to which five (5) head of cattle were declared reactors as compared with two thousand eight hundred and twenty-eight (2,828) tuberculin herd tests and one hundred six thousand five hundred and twenty-three (106,523) animal tests applied the previous fiscal year to which thirty-one (31) head of cattle reacted.

Four (4) of the five (5) head declared to be reactors were reported as having "no gross lesions" of tuberculosis at time of slaughter.

Five hundred and six (506) herds containing five thousand seven hundred and fourteen (5,714) head of cattle, included in the census report of June 30, 1967, were disposed of by the owners prior to the census period ending June 30, 1968.

One hundred and ninety-seven (197) herds containing one thousand two hundred and twenty (1,220) head of cattle to which testing has not previously been conducted are included in the census report of the period ending June 30, 1968.

Tuberculin tests are conducted by State and Federal accredited veterinarians under a State and Federal Cooperative Plan for the establishment of tuberculosis-free herds and the eradication of bovine tuberculosis.

Following is a summary of the tuberculin tests as made by veterinarians for the twelve-month period of this report:

	<u>HERDS</u>	<u>HEAD</u>	<u>REACTORS</u>
Veterinarians paid by the State on a salary basis	611	20,404	1
Veterinarians paid by the Federal Government on a salary basis	58	1,560	2
Veterinarians paid by the State as Program Agents	2,512	81,628	2
Veterinarians authorized by request of and paid by the owners	15	947	
	<u>3,196</u>	<u>104,539</u>	<u>5</u>

During the fiscal year, owners of reacting cattle were reimbursed for five (5) grade cows to the amount of \$568.90.

COUNTY CENSUS

AS OF

JUNE 30, 1968

COUNTY	HERDS <i>March</i>	HEAD	TEN HEAD OR LESS* HERDS	LESS* HEAD
Barnstable	13 - 6	139 - 189	8	15
Berkshire	447 - 75	15,123 6095	179	692
Bristol	380 - 218	12,249 7501	174	688
Dukes	18	132	13	35
Essex	207 112	5,864 4296	92	352
Franklin	516 41	15,193 2873	219	896
Hampden	311 8	6,335 327	159	636
Hampshire	422 39	12,781 3350	190	840
Middlesex	271 170	7,141 3823	137	559
Nantucket	1	36		
Norfolk	141 79	2,948 1904	85	315
Plymouth	240 120	6,061 2778	149	511
Worcester	872 104	25,896 4922	351	1,403
TOTALS	3,839	109,898	1,756	6,942

* Included in Columns 2 and 3 ⁹⁵¹

38,184 *March*

BRUCELLOSIS

The Brucellosis program has been carried on in accordance with Chapter 129, General Laws as amended by Chapter 527, Acts of 1956.

During the fiscal year 1968 owners were reimbursed for three (3) grade cattle amounting to \$75.00.

Following is a tabulation of the results of laboratory examination of the blood samples from cattle under this program; also from goats and swine.

BRUCELLOSIS

7/1/67 - 6/30/68

	<u>Negative</u>	<u>Reactors</u>	<u>Suspicious</u>	<u>Others**</u>	<u>Totals</u>
Cattle	12,796	10	206	581	13,593
Goats	502	0	8	29	539
Swine	1,508	7	24	9	1,548
TOTALS	<u>14,806</u>	<u>17</u>	<u>238</u>	<u>619</u>	<u>15,680</u>

** Containers broken, insufficient amount of serum, hemolyzed, or "CV" (Calfhood vaccinated and under eighteen months of age.)

Certified Herds: CATTLE

Certified Brucellosis-Free Herds	101
Cattle in <i>Certified</i> Validated Brucellosis-Free Herds	5,080

Certified Herds: GOATS

Certified Brucellosis-Free Herds	14
Goats in <i>Certified</i> Validated Brucellosis-Free Herds	205

Validated Herds: SWINE

Validated Brucellosis-Free Herds	61
Swine in Validated Brucellosis-Free Herds	1,129

MILK RING TESTS

<u>Negative</u>	<u>Suspicious</u>	<u>TOTAL</u>
7214	23	7237

CALFHOOD VACCINATION
(by months)

	SALARIED STATE AGENTS		FEDERAL AGENTS		PROGRAM AGENTS		PRIVATE AGENTS		TOTALS	
	HERDS	HEAD	HERDS	HEAD	HERDS	HEAD	HERDS	HEAD	HERDS	HEAD
July 1967	77	269	5	7	106	392	4	21	192	689
August	97	379	1	1	136	463	9	28	243	871
September	28	81			90	342	4	24	122	447
October	66	218	1	4	142	507	10	67	219	796
November	86	294	7	19	257	949	2	13	352	1,275
December	62	234	1	11	211	810	6	23	280	1,078
January 1968	91	427			252	1,075	8	35	351	1,537
February	70	322	14	56	256	1,134	6	45	346	1,557
March	55	222			231	1,035	4	21	290	1,278
April	92	349	4	12	267	1,129	3	8	366	1,498
May	27	102	6	14	133	524	3	17	169	657
June	68	244	4	12	127	486	5	17	204	759
TOTALS	819	3,141	43	136	2,208	8,846	64	319	3,134	12,442

GOATS

7/1/67 - 6/30/68

This Division arranges for the tuberculin testing and blood testing of goats provided the owner signs an agreement to the effect that any goats declared as reactors to either test would be immediately disposed of for slaughter with no compensation allowed by the Commonwealth.

Under this agreement 422 goats were tuberculin tested and 346 blood tested. Five (5) goats were suspicious to the test for Brucellosis. One of the goats was retested and found negative. The other four (4) were slaughtered.

CATTLE IMPORTS

7/1/67 - 6/30/68

Canada	1066	Minnesota	1168
Connecticut	1128	New Hampshire	494
Delaware	297	New York	3723
Georgia	6	Ohio	12
Illinois	1	Pennsylvania	51
Iowa	8	Rhode Island	297
Kentucky	3	South Carolina	3
Maine	2134	Vermont	621
Maryland	34	Virginia	38
Michigan	2	Wisconsin	294

TOTAL - 11,380

One thousand one hundred and seven (1,107) permits were issued covering eleven thousand three hundred and eighty (11,380) head of cattle.

EXPORTS --- JULY 1, 1967 THRU JUNE 30, 1968

Interstate certificates of health were issued on three thousand five hundred fifty-nine (3,559) head of cattle; forty-two (42) goats; thirteen (13) sheep; thirty-six (36) swine and one (1) horse, exported to other states and countries, as follows:

CATTLE

<u>DESTINATION</u>	<u>HEAD</u>	<u>DESTINATION</u>	<u>HEAD</u>
Canada	67	Minnesota	1
Colorado	5	Mississippi	62
Connecticut	660	New Hampshire	383
Dominican Republic	1	New Jersey	3
Florida	3	New York	636
Germany	5	North Carolina	43
Guatemala	6	Ohio	19
Idaho	2	Pennsylvania	54
Illinois	12	Rhode Island	915
Indiana	2	Tennessee	8
Iowa	15	Vermont	564
Italy	1	Virgin Islands	8
Kentucky	23	Washington	3
Maine	44	Wisconsin	3
Maryland	11		
		Total	3,559

	8	goats	shipped to	Connecticut
	21	"	"	" Dominican Republic
	11	"	"	" Florida
	2	"	"	" Maine
Total	<u>42</u>			

	5	sheep	shipped to	New York
	8	"	"	" New Hampshire
Total	<u>13</u>	"		

	3	swine	shipped to	Connecticut
	2	"	"	" Maine
	16	"	"	" Mississippi
	5	"	"	" New Hampshire
	6	"	"	" New York
	4	"	"	" Rhode Island
Total	<u>36</u>			

1 horse shipped to New York

QUARANTINE STATION AT LITTLETON

Total number of livestock received at the Farmers Live Animal Market Exchange in Littleton from July 1, 1967 to June 30, 1968 was as follows:

Cattle	17,651
Calves	25,295
Swine	25,897
Sheep	2,435
TOTAL	<u>71,278</u>

The following Massachusetts animals went through the chute:

Quarantined cattle	14 head
Tuberculosis Suspects	1 "
Tuberculosis Reactors	3 "
Brucellosis Reactors	3 "
Brucellosis Suspects	5 "
TOTAL	<u>26</u>

In addition to FLAME in Littleton, the following animals were received and sold at the Livestock Auction in Easton and the Northampton Cooperative Livestock Auction in Whately, Massachusetts:

Easton

Cattle	9,263
Calves	8,677
Sheep	137
TOTAL	<u>18,077</u>

Whately

Cattle	3,310
Calves	11,144
Sheep and Goats	754
Swine	886
TOTAL	<u>16,094</u>

LICENSED DEALERS IN BOVINE ANIMALS

During the fiscal year 1968 there were one hundred and thirty-one (131) licenses issued to dealers in dairy and beef cattle, and one hundred and seventy-two (172) plates were sent out for use on the trucks operated by these dealers.

A total of nine thousand, seven hundred and forty-two (9,742) dairy cattle and five hundred and thirty-six (536) beef cattle were reported by licensed dealers as purchased and sold.

PERMITS TO FEED GARBAGE TO SWINE

Vesicular Exanthema Program
Chapter 655 - Acts of 1953

There were two hundred and fifty-two (252) Permits to Feed Garbage to Swine issued during the fiscal year 1968.

EQUINE INFECTIOUS ANEMIA

This Division received five hundred and sixty-five (565) out-of-state Health Certificates covering two thousand, three hundred and fifty-nine (2,359) horses from thirty-nine (39) States, Canada, Puerto Rico, England and Germany.

During the fiscal year 1968, we issued two hundred and forty-three (243) Certifications of Equine Examination for five hundred and eighty-five (585) horses leaving the State for Show, Fairs, and Races.

A careful watch has disclosed not a single case of Equine Infectious Anemia for the year 1968.

RABIES

Under the Massachusetts Department of Public Health regulations Chapter 111, General Laws as amended by Chapter 265, Acts of 1938, Sections 6 and 7 "Dog Bite" is declared a disease dangerous to public health.

Chapter 129, Sections 21 of the General Laws, was amended under Chapter 29, Acts of 1963 to read: "All dogs known to have bitten persons shall be quarantined for a period of ten (10) days for observation, at the end of which period, if no symptoms of rabies have developed, said animals may be released from quarantine on order of the Director."

Investigation of reported injuries inflicted to persons by biting of dogs and the quarantining of such dogs is one of the duties of the Inspector of Animals.

One thousand and forty-three (1043) persons were bitten by stray animals. The brains of six hundred and seventy one (671) animals were sent to Wasserman Laboratory for examination. Of that number, five hundred and thirty (530) were reported to have bitten five hundred and ninety four (594) persons.

The following tabulation is a record of bites inflicted by dogs and other animals.

RABIESBite Cases

	Released Quarantined Animals	Destroyed No Examina- tion	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
<u>1967</u>					
July	1,882	4	64	1	6
August	1,758	5	69		8
September	1,464	2	75	2	3
October	1,052	1	62		6
November	675		51		1
December		3	31		
<u>1968</u>					
January	756		29		1
February	725	5	28		2
March	825	4	29		3
April	1,413	2	49		2
May	1,922	5	70	1	4
June	1,758	3	69	1	4
TOTALS	15,778	34	626	5	40

RABIESBite Cases --- Fiscal Year 1968

	Released Quarantined Animals	Destroyed No Exam- ination	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
Dogs	15,302	30	164		7
Bats			82	5	18
Bears	1				
Cats	261	2	70		3
Chimpanzees	1				
Chipmunks	1		36		1
Coyotes			1		
Donkeys	1				
Ferrets	1				
Foxes	3		5		1
Fox Squirrels			1		
Garter Snakes	1				
Gerbils	21		12		
Gound Hogs			1		
Guinea Pigs	3		4		
Hamsters	46		52		
Hogs	1				
Horses	11				
Kangaroo Rats	3		5		
Kittens			5		
Mice	11		33		2
Moles			9		1
Monkeys	33		2		
Mt. Lions	1				
Musk Rats	2		5		
Ocelots			1		
Parrots	1				
Pet Mice	1		1		
Pet Rabbits	1		1		
Pet Rats	1				
Pigs	1				
Ponies	1				
Rabbits	28	2	15		3
Raccoons	13		12		
Rats	4		15		
Rodents	1				
Shrews			2		
Skunks	3		11		2
Squirrels			67		
Squirrel Monkeys			1		
Voles	2		12		
Weasels	1		1		2
White Mice	2		4		
White Rats	1		1		
TOTALS	15,778	34	626	5	40

ANNUAL INSPECTION OF NEAT CATTLE, HORSES, SWINE, SHEEP AND GOATS

In accordance with Section 10, Chapter 129 of the General Laws the annual inspection of neat cattle, horses, swine, sheep and goats and of the premises where kept was completed.

Reports received from the cities and towns showed that inspection indicated the following information:

COUNTY	HERDS	NEAT CATTLE	HORSES	SWINE HERDS	SWINE HEAD	SHEEP	GOATS
Barnstable	10	141	577	0	0	132	71
Berkshire	✓ 436	14,646	✓ 1,427	57	707	858	102
Bristol	445	13,557	1,965	103	11,646	948	159
Dukes	20	140	141	7	25	844	10
Essex	201	6,490	1,683	44	5,532	551	135
Franklin	495	15,849	1,197	55	1,108	733	53
Hampden	304	6,434	900	33	1,387	1,166	142
Hampshire	437	13,355	951	48	3,391	1,680	60
Middlesex	286	7,556	2,975	90	17,223	714	276
Nantucket	1	36	49	0	0	27	0
Norfolk	133	2,947	1,466	24	1,379	813	93
Plymouth	230	6,207	1,688	55	4,124	691	134
Suffolk	1	4	94	0	0	33	0
Worcester	949	27,947	2,676	116	19,355	1,366	325
Totals	3,948	115,309	17,789	632	65,877	10,556	1,560

Of the total number of cattle inspected, sixty-one thousand seven hundred five (61,705) were grade dairy cows, ten thousand eight hundred eighty-four (10,884) were purebred dairy cows. There were also four hundred fifty-eight (458) purebred bulls listed.

Also there were sixty-nine donkeys, (69), seventeen (17) buffalo, fourteen (14) deer, eleven (11) burros, two (2) mules, two (2) elks, two (2) Longhorns, one (1) bear. inspected this year.

MISCELLANEOUS DISEASESJuly 1, 1967

June 30, 1968EQUINE ENCEPHALOMYELITIS

3 flocks of pheasants and
14 horses were quarantined
and released.

PULLORUM

5 flocks of birds were
quarantined and released.

INFECTIOUS LARYNGOTRACHEITIS

4 flocks of poultry were
quarantined and later released.

CONTAGIOUS ECTHYMA
(Sore Mouth)

6 flock of sheep were quarantined
and later released.

HOG CHOLERA

2 herds of swine were quarantined
and later released.

Regional meetings of Inspectors of Animals
were held by the Director in the month of November
in Boston, Worcester and Northampton.